

## Interview Summary

Application No.  
**08/957,709**

Applicant(s)  
**Hogrefe et al.**

Examiner  
**Scott Houtteman**

Group Art Unit  
**1634**



All participants (applicant, applicant's representative, PTO personnel):

(1) Scott Houtteman (3) \_\_\_\_\_

(2) Ap Rep. Ms. Moon (4) \_\_\_\_\_

Date of Interview Feb 27, 1999

Type: ☒ Telephonic ☐ Personal (copy is given to ☐ applicant ☐ applicant's representative).

Exhibit shown or demonstration conducted: ☒ Yes ☐ No. If yes, brief description:

The examiner prepared a set of allowable claims.

Agreement ☐ was reached. ☐ was not reached.

Claim(s) discussed: None

Identification of prior art discussed:

None

Description of the general nature of what was agreed to if an agreement was reached, or any other comments:

A set of allowable claims were presented. Ms. Moon was unable to accept them and instead requested an Office action.

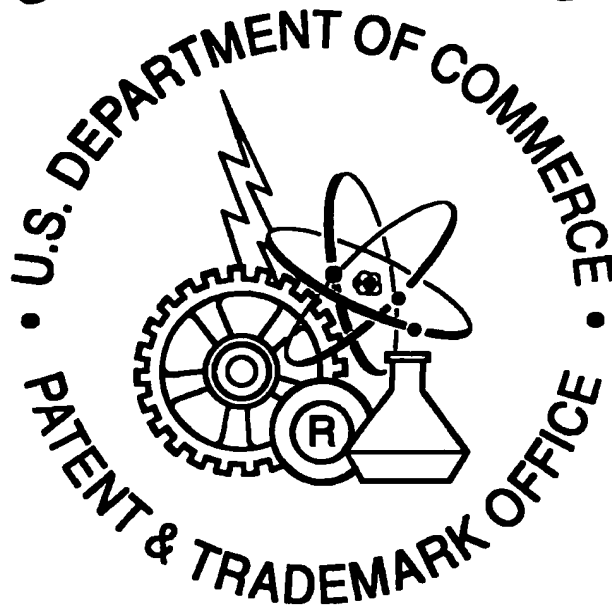
(A fuller description, if necessary, and a copy of the amendments, if available, which the examiner agreed would render the claims allowable must be attached. Also, where no copy of the amendments which would render the claims allowable is available, a summary thereof must be attached.)

1. ☐ It is not necessary for applicant to provide a separate record of the substance of the interview.

Unless the paragraph above has been checked to indicate to the contrary, A FORMAL WRITTEN RESPONSE TO THE LAST OFFICE ACTION IS NOT WAIVED AND MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a response to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW.

2. ☐ Since the Examiner's interview summary above (including any attachments) reflects a complete response to each of the objections, rejections and requirements that may be present in the last Office action, and since the claims are now allowable, this completed form is considered to fulfill the response requirements of the last Office action. Applicant is not relieved from providing a separate record of the interview unless box 1 above is also checked.

Examiner Note: You must sign and stamp this form unless it is an attachment to a signed Office action.



Attachment  
to Interview  
Summary, paper 11

**FACSIMILE COVER SHEET**  
**ART UNIT 1634**

Fax Number (703) 305-3014 or 308-4242

FROM: Scott Houtteman

DATE: February 18, 1999 (referred 2/16/01)

SERIAL/DOCKET NO: 08/957,709

TO: Ja Moon

ORGANIZATION: \_\_\_\_\_

FAX NUMBER: (650) 849-6666

# OF PAGES: 4

(including this page)

COMMENTS:

Here are a set of allowable  
claims - as you suggested I rejoined  
the DWA claims - Scott

IF YOU DO NOT RECEIVE A LEGIBLE COPY OR IF YOU DO NOT  
RECEIVE ALL OF THE PAGES, PLEASE CALL THE EXAMINER AT (703)  
308-3885.

9. (amended) A composition of matter [according to claim 5, wherein said protein complex comprises a plurality of subunits wherein at least one subunit] comprising a protein complex possessing polymerase enhancing activity isolated from *Pyrococcus furiosus* wherein at least one subunit of the complex has a molecular weight of approximately 17-18kD wherein this molecular weight is determined under conditions in which the protein is in the fully denatured, monomeric form.

Claims 10 and 11 will now be allowable as is.

12. (amended) A composition of matter according to claim 10 or 11, further comprising a subunit encoded by [a] DNA having the nucleotide sequence of SEQ ID NO: 18[, degenerate variants thereof or sequences hybridizable thereto].

13. A composition of matter [according to claim 1, wherein said . . . ] comprising at least one protein from *Pyrococcus furiosus* having a molecular weight of approximately 17-18kD wherein this molecular weight is determined under conditions in which the protein is in the fully denatured, monomeric form.

Delete claims 14-16 which are incorporated into claim 13 above.

17. A composition of matter according to claim [16] 13 wherein said protein is selected from the group consisting of: a protein having a sequence of amino acids [at or within about 20 amino acids from the protein's amino terminal end] comprising one of SEQ ID NO: 69 or 11 at or within about 20 amino acids from the protein's amino terminal end; a protein encoded by a nucleic acid having the sequence of SEQ ID NO: 70, [degenerate variants thereof, or sequences hybridizable thereto;] or a protein having a sequence of amino acids comprising SEQ ID NO:71.

18. Change dependency to claim 9.

Cancel 19, redundant.

20. change dependency to claim 9

21. 21, 22 ok.

22 Change dependency to claim 9.

28. Cancel

29. Cancel

30. Change dependency to claim 9.

31-34. ok

35. Change dependency to claim 9.

36-39, OK

45. change dependency to claim 9.

46. OK

58. A DNA construct comprising a sequence encoding *Pyrococcus furiosus* PEF protein P45 operably linked to an expression vector.

59-66. OK with the claim 58 amendment.

77. A non naturally occurring composition of matter comprising a Pyrococcus furiosus P45 protein.

78-80. OK with claim 77 amendment.

85. OK.

Cancel clam 87-92 drawn to *Thermus thermophilis* rather than Pyrococcus furiosus.

**OTHER DNA CLAIMS, 24-27, 67, 68 and 84**

24. An isolated or purified DNA comprising a sequence encoding a protein according to the protein of one of claims [13] 9 or 17.

25. An isolated or purified DNA having a sequence selected from the group consisting of: the sequence set forth in SEQ ID NO: 18, [degenerate sequences thereof, or DNA sequences hybridizable thereto;] sequences encoding the same protein as that encoded by SEQ ID NO:18, the sequence set forth in SEQ ID NO: 70, [degenerate sequence thereof, or DNA sequences capable of hybridizing thereto] or sequences encoding the same protein as that encoded by SEQ ID NO:70.

26. OK

27. Add --under stringent conditions--

67-68 OK with the amendment to the dependent claim.

84. delete "or degenerate variants thereof  
+ add language such as "encoding the same  
protein as..."